

WHAT IS CLAIMED IS:

- 1 1. A computer implemented method of providing caller
2 information, said method comprising:
3 receiving a message corresponding to a telephone call,
4 wherein the message includes an initiating caller
5 number and a call recipient number, the telephone call
6 received over a telephone network;
7 retrieving one more caller attributes based upon the
8 initiating caller number; and
9 sending the caller attributes to a call recipient over
10 a computer network, the call recipient corresponding
11 to the call recipient number.
- 1 2. The method of claim 1 further comprising:
2 sending a request that includes one or more requested
3 caller fields, the requested caller fields
4 corresponding to the initiating caller number.
- 1 3. The method of claim 2 further comprising:
2 retrieving a call recipient agreement corresponding to
3 the call recipient number;
4 selecting the requested caller fields included in the
5 call recipient agreement; and
6 including the requested caller fields in the request.
- 1 4. The method of claim 2 wherein the request is received
2 by a service control point, and wherein the service
3 control point is adapted to retrieve the caller
4 attributes from a line information database and send
5 the retrieved caller attributes back to the requestor.

1 5. The method of claim 1 further comprising:
2 receiving an authorization request from an initiating
3 caller prior to receiving the message, wherein the
4 authorization request includes authorizations that
5 identify one or more call recipients and caller data
6 that are authorized to be sent to the identified call
7 recipients, the initiating caller corresponding to the
8 initiating caller number; and
9 storing the authorizations in an authorization table
10 entry.

1 6. The method of claim 5 further comprising:
2 identifying one or more requested caller fields
3 corresponding to the initiating caller number;
4 detecting whether one of the requested caller fields
5 corresponds to sensitive caller data, the sensitive
6 caller data corresponding to the initiating caller
7 number;
8 checking one or more authorization table entries
9 corresponding to the initiating caller number in
10 response to the detecting;
11 determining whether the call recipient is authorized
12 to receive the sensitive caller data in response to
13 the checking;
14 including one or more of the requested caller fields
15 in a request in response to the determination; and
16 sending the request to a service control point.

1 7. The method of claim 6 further comprising:

2 logging a caller data discrepancy in response to the
3 determining, the caller data discrepancy including the
4 requested caller fields corresponding to the sensitive
5 caller data.

1 8. The method of claim 5 wherein the authorization
2 request includes a PIN, the method further comprising:
3 retrieving a stored PIN; and
4 comparing the received PIN with the stored PIN wherein
5 the receiving of authorizations is performed in
6 response to successful comparison.

1 9. The method as described in claim 5 wherein at least
2 one of the authorizations is selected from the group
3 consisting of a birth date, billing information, and a
4 social security number.

1 10. The method of claim 1 further comprising:
2 determining that a call recipient agreement does not
3 exist corresponding to the call recipient;
4 retrieving a counter corresponding to the call
5 recipient;
6 incrementing the counter; and
7 storing the incremented counter.

1 11. The method of claim 1 further comprising:
2 sending the telephone call to the call recipient over
3 the telephone network.

1 12. The method of claim 1 wherein the computer network is
2 a TCP/IP network.

1 13. The method of claim 12 wherein the TCP/IP network
2 includes the Internet.

1 14. The method of claim 1 wherein the caller attributes
2 are selected from the group consisting of a name, an
3 address, billing information, service preferences, a
4 birth date, and a social security number.

1 15. An information handling system comprising:
2 one or more processors;
3 a memory accessible by the processors;
4 one or more nonvolatile storage devices accessible by
5 the processors;
6 a telephone network;
7 a computer network; and
8 a caller information tool for providing caller
9 information, the caller information tool comprising
10 software code effective to:

11 receive a message corresponding to a
12 telephone call, wherein the message includes
13 an initiating caller number and a call
14 recipient number, the telephone call
15 received over the telephone network;
16 retrieve one more caller attributes from one
17 of the nonvolatile storage devices based
18 upon the initiating caller number; and
19 send the caller attributes to a call
20 recipient over the computer network, the

21 call recipient corresponding to the call
22 recipient number.

1 16. The information handling system of claim 15 wherein
2 the software code is further effective to:
3 send a request that includes one or more requested
4 caller fields, the requested caller fields
5 corresponding to the initiating caller number.

- 1 17. The information handling system of claim 16 wherein
- 2 the software code is further effective to:
- 3 retrieve a call recipient agreement corresponding to
- 4 the call recipient number from one of the nonvolatile
- 5 storage devices;
- 6 select the requested caller fields included in the
- 7 call recipient agreement; and
- 8 include the requested caller fields in the request.

1 18. The information handling system of claim 16 wherein
2 the request is received by a service control point,
3 and wherein the service control point is adapted to
4 retrieve the caller attributes from a line information
5 database and send the retrieved caller attributes back
6 to the requestor.

1 19. The information handling system of claim 15 wherein
2 the software code is further effective to:
3 receive an authorization request from an initiating
4 caller prior to receiving the message, wherein the
5 authorization request includes authorizations that
6 identify one or more call recipients and caller data

7 that are authorized to be sent to the identified call
8 recipients, the initiating caller corresponding to the
9 initiating caller number; and

10 store the authorizations in an authorization table
11 entry located in one of the nonvolatile storage
12 devices.

1 20. The information handling system of claim 19 wherein
2 the software code is further effective to:
3 identify one or more requested caller fields
4 corresponding to the initiating caller number;
5 detect whether one of the requested caller fields
6 corresponds to sensitive caller data, the sensitive
7 caller data corresponding to the initiating caller
8 number;
9 check one or more authorization table entries located
10 in one of the nonvolatile storage devices
11 corresponding to the initiating caller number in
12 response to the detecting;
13 determine whether the call recipient is authorized to
14 receive the sensitive caller data in response to the
15 checking;
16 include one or more of the requested caller fields in
17 a request in response to the determination; and
18 send the request to a service control point.

1 21. The information handling system of claim 20 wherein
2 the software code is further effective to:

3 log a caller data discrepancy in one of the
4 nonvolatile storage devices in response to the
5 determining, the caller data discrepancy including the
6 requested caller fields corresponding to the sensitive
7 caller data.

1 22. The information handling system of claim 19 wherein
2 the authorization request includes a PIN, and wherein
3 the software code is further effective to:
4 retrieve a stored PIN from one of the nonvolatile
5 storage devices; and
6 compare the received PIN with the stored PIN wherein
7 the receiving of authorizations is performed in
8 response to successful comparison.

1 23. The information handling system as described in claim
2 19 wherein at least one of the authorizations is
3 selected from the group consisting of a birth date,
4 billing information, and a social security number.

1 24. The information handling system of claim 15 wherein
2 the software code is further effective to:
3 determine that a call recipient agreement does not
4 exist corresponding to the call recipient;
5 retrieve a counter corresponding to the call recipient
6 from one of the nonvolatile storage devices;
7 increment the counter; and
8 store the incremented counter in one of the
9 nonvolatile storage devices.

- 1 25. The information handling system of claim 15 wherein
- 2 the software code is further effective to:
- 3 send the telephone call to the call recipient over the
- 4 telephone network.

- 1 26. The information handling system of claim 15 wherein
- 2 the computer network is a TCP/IP network.

- 1 27. The information handling system of claim 12 wherein
- 2 the TCP/IP network includes the Internet.

- 1 28. The information handling system of claim 15 wherein
- 2 the caller attributes are selected from the group
- 3 consisting of a name, an address, billing information,
- 4 service preferences, a birth date, and a social
- 5 security number.

- 1 29. A computer program product stored on a computer
- 2 operable media for providing caller information, said
- 3 computer program product comprising software code
- 4 effective to:
5 receive a message corresponding to a telephone call,
- 6 wherein the message includes an initiating caller
- 7 number and a call recipient number, the telephone call
- 8 received over a telephone network;

9 retrieve one more caller attributes based upon the- 10 initiating caller number; and

11 send the caller attributes to a call recipient over a- 12 computer network, the call recipient corresponding to
- 13 the call recipient number.

- 1 30. The computer program product of claim 29 wherein the
- 2 software code is further effective to:
- 3 send a request that includes one or more requested
- 4 caller fields, the requested caller fields
- 5 corresponding to the initiating caller number.

- 1 31. The computer program product of claim 30 wherein the
- 2 software code is further effective to:
- 3 retrieve a call recipient agreement corresponding to
- 4 the call recipient number;
- 5 select the requested caller fields included in the
- 6 call recipient agreement; and
- 7 include the requested caller fields in the request.

- 1 32. The computer program product of claim 30 wherein the
- 2 request is received by a service control point, and
- 3 wherein the service control point is adapted to
- 4 retrieve the caller attributes from a line information
- 5 database and send the retrieved caller attributes back
- 6 to the requestor.

- 1 33. The computer program product of claim 29 wherein the
- 2 software code is further effective to:
- 3 receive an authorization request from an initiating
- 4 caller prior to receiving the message, wherein the
- 5 authorization request includes authorizations that
- 6 identify one or more call recipients and caller data
- 7 that are authorized to be sent to the identified call
- 8 recipients, the initiating caller corresponding to the
- 9 initiating caller number; and

10 store the authorizations in an authorization table
11 entry.

1 34. The computer program product of claim 33 wherein the
2 software code is further effective to:
3 identify one or more requested caller fields
4 corresponding to the initiating caller number;
5 detect whether one of the requested caller fields
6 corresponds to sensitive caller data, the sensitive
7 caller data corresponding to the initiating caller
8 number;
9 check one or more authorization table entries
10 corresponding to the initiating caller number in
11 response to the detecting;
12 determine whether the call recipient is authorized to
13 receive the sensitive caller data in response to the
14 checking;
15 include one or more of the requested caller fields in
16 a request in response to the determination; and
17 send the request to a service control point.

1 35. The computer program product of claim 34 wherein the
2 software code is further effective to:
3 log a caller data discrepancy in response to the
4 determining, the caller data discrepancy including the
5 requested caller fields corresponding to the sensitive
6 caller data.

1 36. The computer program product of claim 33 wherein the
2 authorization request includes a PIN, and wherein the
3 software code is further effective to:
4 retrieve a stored PIN; and

5 compare the received PIN with the stored PIN wherein
6 the receiving of authorizations is performed in
7 response to successful comparison.

1 37. The computer program product as described in claim 33
2 wherein at least one of the authorizations is selected
3 from the group consisting of a birth date, billing
4 information, and a social security number.

1 38. The computer program product of claim 29 wherein the
2 software code is further effective to:
3 determine that a call recipient agreement does not
4 exist corresponding to the call recipient;
5 retrieve a counter corresponding to the call
6 recipient;
7 increment the counter; and
8 store the incremented counter.

1 39. The computer program product of claim 29 wherein the
2 software code is further effective to:
3 send the telephone call to the call recipient over the
4 telephone network.

1 40. The computer program product of claim 29 wherein the
2 computer network is a TCP/IP network.

- 1 41. The computer program product of claim 40 wherein the
- 2 TCP/IP network includes the Internet.
- 1 42. The computer program product of claim 29 wherein the
- 2 caller attributes are selected from the group
- 3 consisting of a name, an address, billing information,
- 4 service preferences, a birth date, and a social
- 5 security number.
- 1 43. A computer implemented method of providing caller
- 2 information, said method comprising:
3 receiving a message corresponding to a telephone call,
4 wherein the message includes an initiating caller
5 number and a call recipient number, the telephone call
6 received over a telephone network;
- 7 retrieving the name of the initiating caller and one
8 or more additional caller attributes corresponding to
9 the initiating caller; and
- 10 sending the additional caller attributes to a call
11 recipient over the telephone network, the call
12 recipient corresponding to the call recipient number.
- 1 44. The method of claim 43 wherein at least one of the
2 additional caller attributes is selected from the
3 group consisting of an address, billing information,
4 service preferences, a birth date, and a social
5 security number.
- 1 45. The method of claim 43 wherein the call recipient is
2 adapted to display one or more of the additional
3 caller attributes on a display.

4 46. An information handling system comprising:
5 one or more processors;
6 a memory accessible by the processors;
7 one or more nonvolatile storage devices accessible by
8 the processors;
9 a telephone network; and
10 a caller information tool for providing caller
11 information, the caller information tool comprising
12 software code effective to:
13 receive a message corresponding to a
14 telephone call, wherein the message includes
15 an initiating caller number and a call
16 recipient number, the telephone call
17 received over the telephone network;
18 retrieve the name of the initiating caller
19 and one or more additional caller attributes
20 corresponding to the initiating caller from
21 one of the nonvolatile storage devices; and
22 send the additional caller attributes to a
23 call recipient over the telephone network,
24 the call recipient corresponding to the call
25 recipient number.

1 47. The information handling system of claim 46 wherein at
2 least one of the additional caller attributes is
3 selected from the group consisting of an address,
4 billing information, service preferences, a birth
5 date, and a social security number.

- 1 48. The information handling system of claim 46 wherein
- 2 the call recipient is adapted to display one or more
- 3 of the additional caller attributes on a display.

- 1 49. A computer program product stored on a computer
- 2 operable media for providing caller information, said
- 3 computer program product comprising software code
- 4 effective to:
5 receive a message corresponding to a telephone call,
- 6 wherein the message includes an initiating caller
- 7 number and a call recipient number, the telephone call
- 8 received over a telephone network;

9 retrieve the name of the initiating caller and one or- 10 more additional caller attributes corresponding to the
- 11 initiating caller; and

12 send the additional caller attributes to a call- 13 recipient over the telephone network, the call
- 14 recipient corresponding to the call recipient number.

- 1 50. The computer program product of claim 49 wherein at
- 2 least one of the additional caller attributes is
- 3 selected from the group consisting of an address,
- 4 billing information, service preferences, a birth
- 5 date, and a social security number.

- 1 51. The computer program product of claim 51 wherein the
- 2 call recipient is adapted to display one or more of
- 3 the additional caller attributes on a display.